

HEAD, KNOCKOUT MOUSE CORE FACILITY



National Institute of Environmental Health Sciences
National Institutes of Health
Research Triangle Park, North Carolina

The National Institute of Environmental Health Sciences, National Institutes of Health, in Research Triangle Park, North Carolina, is reopening the recruitment to fill the position of Head of the Transgenic Knockout Core Facility in the Division of Intramural Research. The successful applicant will be a Staff Scientist in the Laboratory of Reproductive and Developmental Toxicology and responsible for generating mutant mice using embryonic stem cells. Additional duties will include planning and providing scientific oversight in designing targeting vectors for the generation of knockout mice, and providing expertise in mouse genetics and embryology.

Minimum qualifications include a Ph.D., D.V.M., or M.D. and knowledge of mouse molecular genetics or related topics. Priority will be given to individuals with postdoctoral training that includes appropriate demonstrated experience in the design of targeting vectors, screening of embryonic stem cells, and mouse colony husbandry. For additional information concerning this position, contact Dr. Yuji Mishina at mishina@niehs.nih.gov or by fax at 919-541-3800. Applications from women and minorities are particularly encouraged. The initial appointment is for five years and is renewable every five years thereafter. Salary will be commensurate with level of knowledge and experience of the appointee. Evaluation of applicants will begin July 23, 2001, and will extend until August 28, 2001, or until the position is filled. Interested parties should submit a curriculum vitae, bibliography, and brief statement of research interests, and arrange for the submission of three letters of recommendation to be sent to:

Ms. Tammy Locklear (HNV 01-11)
NIEHS Human Resource Management Branch
P.O. Box 12233, Mail Drop EC-11
Research Triangle Park, NC 27709 USA
ph: 919-541-3317, e-mail: locklea1@niehs.nih.gov

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CENTER FOR VECTOR-BORNE DISEASES (CVEC) SCHOOL OF VETERINARY MEDICINE ~ UNIVERSITY OF CALIFORNIA, DAVIS

Faculty Position in Epidemiology. Assistant Professor of Epidemiology/Assistant Epidemiologist at the UC Center for Vector-Borne Diseases (CVEC). Salary dependent on qualifications and experience. PhD or equivalent required with advanced training in epidemiology. DVM or MD desirable. Demonstrated aptitude/experience in teaching. Documented research record or potential to develop an independent research program in vector-borne disease epidemiology. Demonstrated ability or potential to obtain competitive extramural funds. Understanding and experience applying contemporary methods of experimental design and data analysis essential, including spatial/GIS and temporal analyses. Excellent interpersonal skills.

To receive fullest consideration, applications must be received by October 1, 2001; position open until filled. Submit: 1) letter of intent outlining special interest in position, overall related qualifications and experience, and career goals; 2) curriculum vitae; 3) dissertation or copies of up to three relevant publications; and 4) names and addresses of three professional references to: John D. Edman (jdjedman@ucdavis.edu), Center for Vector-Borne Diseases, School of Veterinary Medicine, University of California, Davis 95616. Affirmative Action/Equal Opportunity Employer.

UNIVERSITY OF WASHINGTON

— Faculty Position —

The Department of Environmental Health, School of Public Health and Community Medicine at the University of Washington, seeks applicants for regular faculty appointments at the level of assistant or associate professor.

The Industrial Hygiene and Safety program, which offers both Masters and Ph.D. level training, seeks applicants with an academic research focus on topics related to exposure assessment, with emphasis in chemical sampling, analysis, and instrumentation or aerosol sampling. Appropriate research areas would include the development of novel sampling methods, analysis of samples in complex matrices, development and improvement of analytical instrumentation, and development of real-time sensors. Research and teaching interests in chemical or aerosol exposure assessment, exposure control measures, chemical protective clothing or personal protective equipment, and respiratory protection also would be appropriate.

Numerous opportunities for collaborative teaching and research are found within the Department of Environmental Health, other University Departments, and with the Washington State Department of Labor and Industries. Applicants also may participate in several Federally funded research centers conducting interdisciplinary research and outreach activities on topics such as agricultural safety and health, particulate matter, ecogenetics, and childhood health.

Successful applicants will be expected to play a leading role in the Industrial Hygiene program of the Northwest Center for Occupational Health and Safety, teach graduate and undergraduate courses, direct graduate thesis research, and develop a strong extramurally-funded research program.

Requirements: an earned Ph.D. or other doctorate in a relevant science or engineering field.

Applications should be submitted by Oct. 24, 2001 or until the position is filled. Send curriculum vitae, a statement of research goals and objectives, teaching interests, and career goals, together with the names of 4 references to:

Chair, Industrial Hygiene & Safety Search Committee
Department of Environmental Health, Box 357234
University of Washington
Seattle, WA 98195-7234

<http://depts.washington.edu/envhlth/>

The University of Washington is building a culturally diverse faculty and strongly encourages applications from women and minority candidates.
AA/EOE

National Institutes of Health National Institute of Child Health and Human Development Epidemiology Branch Division of Epidemiology Statistics & Prevention Research Tenure or Tenure-Track Position

The Epidemiology Branch of the Division of Epidemiology, Statistics and Prevention Research, National Institute of Child Health and Human Development, announces the availability of a tenure or tenure-track position in reproductive, perinatal, or pediatric epidemiology. **This position offers the opportunity to focus on research full time to develop an innovative program of investigation in the environment of extensive NIH resources. It provides for fruitful collaboration with other agencies and institutions and the inclusion of postdoctoral fellows.** The tenure position is comparable to a senior-level associate or full professor, while the tenure-track position is comparable to an assistant or early associate-level professor. The successful candidate will be expected to develop an independent research area that complements or expands current research interests of the branch, including determinants of and threats to human fecundity and fertility, pregnancy loss, hypertensive disorders of pregnancy, preterm birth, fetal and infant growth, birth defects, injuries, and child health. Newer priority areas of interest include quantitative methods and biomolecular epidemiology. Eligible candidates should have an M.D. degree with advanced training in epidemiology (M.S., M.P.H., or equivalent) and/or a doctoral degree in epidemiology or a closely related field, and evidence of prior research experience in epidemiology such as peer-reviewed publications or research funding.

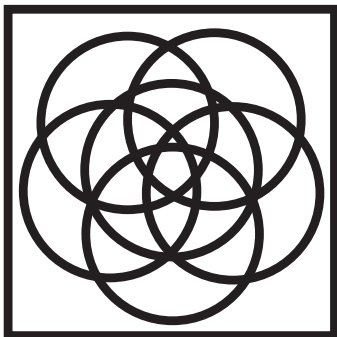
Applicants should submit a curriculum vitae, three letters of reference, and a two-page statement of research interests and goals related to Mark A. Klebanoff, M.D., M.P.H., Director, Division of Epidemiology, Statistics and Prevention Research, NICHD, NIH, 6100 Executive Blvd., Room 7B05, Bethesda, MD 20892-7510. Inquires should be directed to Dr. Peter Scheidt, Chair, Search Committee, by telephone (301-496-6287) or e-mail (scheidtp@mail.nih.gov). The search will continue indefinitely until a qualified applicant is found. However, no candidate will be considered before **October 1, 2001.**

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Joint Degree Program in Law, Health & the Life Sciences™

UNIVERSITY OF MINNESOTA



The **Joint Degree Program in Law, Health & the Life Sciences** at the **University of Minnesota** is training experts in the legal, ethical, and policy problems posed by health, the life sciences, and the environment in the 21st century. Our students are becoming leaders in areas such as health care policy, intellectual property issues in biotechnology, and environmental law.

Students in the **Joint Degree Program in Law, Health & the Life Sciences** are able to obtain a J.D. together with an M.S. or Ph.D. in less time and with more academic support than if they pursued the two degrees separately. Students are also able to take advantage of close relationships we are building between the Program and practicing attorneys, policymakers, and business people.

The **Joint Degree Program in Law, Health & the Life Sciences** invites applications for Fall 2002 from students who wish to combine a law degree with a graduate degree in one of 7 graduate programs: **Molecular, Cellular, Developmental Biology & Genetics; Pharmacology; Health Services Research and Policy; Science, Technology & Environmental Policy; Conservation Biology; Ecology; and Environmental Health.** Students may also complete a Bioethics Minor through the University's Center for Bioethics. For more information call (612) 625-0055 or visit www.jointdegree.umn.edu.

WAYNE STATE UNIVERSITY

POSTDOCTORAL FELLOWSHIP In Neurobehavioral Teratology

Postdoctoral opportunity to collaborate in research on the effects of prenatal exposure to environmental contaminants, alcohol and drugs on infant and child development at Wayne State University. This position will involve opportunities to work on longitudinal studies of three groups of children: Inuit infants in Northern Quebec and Greenland exposed to polychlorinated biphenyls and methylmercury; inner city Detroit children exposed to alcohol and/or cocaine; and mixed-race infants in Cape Town, South Africa, exposed to very high levels of alcohol. This fellowship will offer training in statistical analysis of complex, prospectively-ascertained longitudinal data sets, infant and child neurobehavioral assessment, ascertainment of alcohol and drug use, and grant writing. Other ongoing research in this laboratory includes longitudinal studies relating to the developmental effects of iron deficiency. Qualifications include Ph.D. in psychology or epidemiology and training in multivariate statistics. Please send a letter of interest, curriculum vitae and three letters of recommendation to Joseph L. Jacobson, Ph.D., Psychology Department, Wayne State University, Detroit, MI 48202 (email: joseph.jacobson@wayne.edu).

Wayne State University is an equal opportunity/affirmative action employer. All buildings, structures and vehicles at WSU are smoke-free. Wayne State University—People working together to provide quality service.

Staff Clinician Vacancy



National Institutes of Health
National Institute of Environmental Health Sciences
Bethesda, Maryland

The **National Institute of Environmental Health Sciences (NIEHS)**, National Institutes of Health (NIH), Public Health Service (PHS) is seeking a Staff Clinician to facilitate development of a new clinical research program in the role of genetic and environmental factors in the pathogenesis of autoimmune diseases at the Clinical Center in Bethesda. Staff Clinicians are physicians who spend a majority of their time providing critical clinical services to the NIH. The Staff Clinician is also expected to provide clinical leadership and the highest level of clinical care. The individual will work under the Chief of the Environmental Autoimmunity Group and collaborate closely with intramural laboratory programs to study the etiology, pathophysiology and natural history of patients with autoimmune diseases.

The successful candidate for this Staff Clinician position will have an MD degree or equivalent and Board Certification or Qualification in Internal Medicine and Rheumatology. Formal training in clinical research, experience in conducting clinical studies and evidence of scholarly achievements in these areas are highly desirable. A valid U.S. medical license is required. Salary will be commensurate with the level of education and experience. The initial appointment is for five years and is renewable every five years indefinitely.

For additional information concerning this position, contact Frederick Miller, MD, PhD, Chief, Environmental Autoimmunity Group, Office of Clinical Research, NIEHS, NIH, Bethesda Maryland at 301-451-6273 or e-mail: millerf@mail.nih.gov. Applications from women and minority groups are particularly encouraged. Interested candidates should submit a curriculum vitae and bibliography, reprints of up to 3 relevant publications, a summary of clinical experience, current interests and professional goals, and 3 letters of reference to the contact shown below. Applications must be postmarked by December 14, 2001.

Ms. Tammy Locklear (Vacancy Number HNV01-17)
NIEHS Human Resource Management Branch
P.O. Box 12233, Maildrop EC-11
Research Triangle Park, NC 27709
Phone: 919-541-3317; e-mail: locklea1@niehs.nih.gov

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NIEHS Laboratory of Experimental Pathology

Molecular Pathology (HNV 00-20)

The focus of our laboratory is to extend the evaluation of environmental chemicals in rodent models from the cellular to the molecular level for both noncancer and cancer end points. The basis for this research is to provide a mechanistic understanding of the toxicologic or carcinogenic response in rodents and to provide a biologically based interpretation of its relevance to humans, and where applicable incorporate animal models of human disease. In noncancer research, our laboratory focuses on mechanisms of neuropathology and atherosclerosis, and in cancer research the focus is on mutations of oncogenes and tumor suppressor genes in rodent and human tumors. We are interested in a molecular biologist/toxicologist/pathologist with a background in medical sciences and with experience in PCR, RNA, and DNA analysis (other molecular techniques are desirable, as well). Excellent resources, numerous rodent samples and opportunities for collaboration are available.

Applicants must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

Contact: Robert C. Sills, Laboratory of Experimental Pathology, MD A3-06, 919-541-0180, fax: 919-541-4714, e-mail: sills@niehs.nih.gov

NIEHS Laboratory of Pharmacology and Chemistry-Human Metabolism

Molecular Biology, Function, and Regulation of Human CYPs (HNV 01-14)

Mechanisms of induction as well as function of mammalian drug-metabolizing enzymes are studied using molecular biology techniques. The applicant will use cloning techniques to identify and study function of extrahepatic P450s, and will study nuclear mechanisms of regulation of drug-metabolizing enzymes and transport proteins. Experience in molecular biology and protein and biochemistry techniques are expected. Experience with drug-metabolizing enzymes, knockouts, and/or promoter assays would be useful but not required. Applicants must have a Ph.D.

Applicants must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

Contact: Joyce Goldstein, Laboratory of Pharmacology and Chemistry-Human Metabolism, MD A3-02, 919-541-4495, fax: 919-541-4107, e-mail: goldste1@niehs.nih.gov

NIEHS Toxicology Operations Branch

Applied Toxicology and Carcinogenesis (HNV 01-12)

This is a nonlaboratory position devoted to gaining a fundamental understanding of the skills needed to perform all aspects of contracted studies of the toxicity of chemicals of interest to the National Toxicology Program. The position involves serving as a study scientist, which requires extensive participation and interactions with various scientific disciplines such as chemistry, pathology, toxicokinetics, epidemiology, statistics, and molecular biology. An in-depth study in one area of particular interest is also an available option. Applicants with a Ph.D. in toxicology or an allied science with an interest in pursuing a career in regulatory or industrial toxicology are encouraged to apply.

Applicants must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

Contact: John Bucher, Toxicology Operations Branch, 919-541-4532, fax: 919-541-4255, e-mail: bucher@niehs.nih.gov

Associate Director for Specialized Information Services

Position: The National Library of Medicine (NLM), a major component of the National Institutes of Health (NIH), is seeking exceptional candidates for the position of Associate Director for Specialized Information Services. The NLM is not only the world's largest medical library, but also it supports and conducts research in a wide range of biomedical communication modalities and has information programs on such specialized topics as toxicology, environmental health, HIV/AIDS, and outreach to minority communities. The Associate Director for Specialized Information Services provides leadership in planning, developing, and administering a national program of widely used electronic information resources in the field of toxicology and environmental health information. In addition, the Associate Director provides guidance and direction to other specialized information activities such as HIV/AIDS-related information and outreach to minority and underserved communities. To accomplish its mission, the Associate Director, who reports to the NLM Director, directs a highly professional staff of approximately 30 within the Division of Specialized Information Services, NLM. The scope of operation extends to all levels within the Department of Health and Human Services (DHHS) and requires extensive contact with representatives from other government agencies and private and professional organizations.

Qualifications Required: Applicants must possess a Ph.D., M.D., or equivalent degree in scientific disciplines related to the field of toxicology and environmental health. Applicants must have responsible professional and managerial experience at the senior level that demonstrates the following:

1. Scientific knowledge and expertise in the scientific discipline of toxicology, encompassing the chemical and biological effects of toxic and environmental agents, as well as a deep understanding of current information handling and dissemination methods.
2. Ability to provide leadership, administration, and broad vision to a toxicology and environmental information program with extensive managerial and executive level responsibility (i.e., training, resources, strategic planning, evaluation, budgeting, and human resource management) in a diverse organization.
3. Skill in leading, enabling, and defending change on complex scientific topics through effective written communication formats for a diverse scientific and nonscientific audience.
4. Ability to advise senior- and executive-level staff within and outside of the organization on complex scientific topics.
5. Skill in the development and maintenance of Web-based databases, specialized science information databases, and systems.

Salary: The salary level is commensurate with the background of the selectee, approximately \$120,000 to \$160,000, depending on qualifications and experience.

Please submit a curriculum vitae, bibliography, and a statement addressing the qualifications required for Announcement No. NLM-01-0047 to:

Susan Burns
National Library of Medicine
National Institutes of Health
8600 Rockville Pike
Building 38, Room 2N05
Bethesda, MD 20894

Applications may also be sent via e-mail to susan_burns@nlm.nih.gov or faxed to (301) 480-4971. Any questions, please call (301) 496-4943.

Applications must be postmarked or transmission received by September 17, 2001.

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NIEHS Laboratory of Molecular Carcinogenesis**Molecular Epidemiology of DNA Repair Fellowship (HNV 01-13)**

A Molecular Biology Fellowship position is available to investigate the role of human variation in DNA repair on cancer risk. Studies will examine the correlation between repair phenotype and DNA repair gene polymorphisms and mutation frequency in preneoplastic and normal tissue and will also focus on applying phenotypic measures of repair capacity in samples from case-control studies. Experience with Host Cell Reactivation, Comet, and Chromosomal Break and other repair assays desirable. This position is within an interdisciplinary training program with a primary appointment to the Laboratory of Molecular Carcinogenesis and adjunct appointment in the Epidemiology Branch. Excellent resources, equipment, supplies, and opportunities for interdisciplinary training and development are available. Candidates should have a Ph.D., M.D., or equivalent degree in molecular biology, cell biology, biochemistry, genetics, or related field. Recent graduates are encouraged to apply. Salary \$30–36.5K based on experience, plus health benefits. Available October 1.

Applicants must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

Contact: Jack A. Taylor, Laboratory of Molecular Carcinogenesis, MD A3-05, 919-541-4631, fax: 919-541-2511, e-mail: taylor@niehs.nih.gov

NIEHS Laboratory of Women's Health**Female Reproductive Pathology Group (HNV 01-01)**

A postdoctoral position is available to investigate gene expression and regulation in ovarian function, dysfunction and ovarian cancer in response to environmental stresses. Particular emphasis is given to signaling components in prostaglandin pathways in ovulation and luteolysis. The overall work environment is highly interactive and there are excellent analytical and animal support services. The candidate should be highly motivated and have good communication skills. Extensive experience in molecular biology and cell culture is essential.

Applicants must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

Contact: Barbara J. Davis, Laboratory of Women's Health, MD A2-01, 919-541-2764, fax: 919-316-4626, e-mail: davis1@niehs.nih.gov

NIEHS Laboratory of Signal Transduction**ION Channel Physiology (HNV 01-05)**

Opportunity available immediately to study ligand-gated nicotinic ACh and/or serotonin 5-HT₃ receptor channels in hippocampal brain slices, cultured neurons and/or clonal cell lines. The role these channels play in regulating hippocampal neuronal activity are investigated, as well as how intracellular signal transduction pathways (i.e., phosphorylation, Ca²⁺) modulate the physiological properties of these channels. Preference will be given to applicants interested in studying how these ion channels regulate synaptic transmission and plasticity in the brain.

Applicants must have electrophysiological (preferably patch-clamp) experience; expertise in calcium imaging and/or molecular biological techniques would be a great asset. For additional information concerning the research projects and publications, visit the following Web site: <http://dir.niehs.nih.gov/dirlst/yakel.htm>.

Applicants must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

Contact: Jerrel Yakel, Laboratory of Signal Transduction, MD F2-08, 919-541-1407, fax: 919-541-1898, e-mail: yakel@niehs.nih.gov

NIEHS Laboratory of Reproductive and Developmental Toxicology**Chromatin and Gene Expression Section (HNV 01-04)**

Two postdoctoral positions are available to investigate the mechanisms by which transcription factors modify chromatin structure to induce or repress transcription. Models will include, but not be limited, to the Mouse Mammary Tumor Virus (MMTV) promoter and the human breast and ovarian cancer susceptibility gene (*BRCA1*) promoter. Studies will focus on the molecular machines involved in chromatin remodeling and the post-translation modification of core and linker histones. Potential candidates should have a broad and deep knowledge of molecular biology with an emphasis on protein biochemistry and/or chromatin structure. Knowledge of molecular endocrinology will be advantageous. Applicants must have a Ph.D. or M.D.

Applicants must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

Contact: Trevor K. Archer, Laboratory of Reproductive and Developmental Toxicology, MD E4-06, 919-316-4565 fax: 919-316-4566, e-mail: archer1@niehs.nih.gov

NIEHS Laboratory of Molecular Carcinogenesis**Molecular Toxicology and Carcinogenesis (HNV 00-23)**

A postdoctoral position is available in the Molecular Toxicology Group to investigate molecular alterations and gene expression changes during liver and lung chemical carcinogenesis in mouse models. Particular emphasis is on oxidative stress mechanisms involved following treatment with nongenotoxic carcinogens. Current projects include cDNA microarray analysis of livers after carcinogenic doses of nongenotoxic carcinogens, related studies on markers of oxidative stress, and studies on the role of beta-catenin and Wnt signaling in mouse liver carcinogenesis. The overall work environment is highly interactive, and there are excellent analytical and other support services. Extensive experience in molecular biology and biochemistry is required. Applicants must have a Ph.D.

Applicants must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

Contact: Theodora R. Devereux, Laboratory of Molecular Carcinogenesis, MD D4-04, 919-541-3241, fax: 919-316-4620, e-mail: devereux@niehs.nih.gov

NIEHS Laboratory of Molecular Genetics**DNA Replication Fidelity (HNV 01-02)**

To investigate molecular mechanisms of DNA polymerase fidelity using structure-function analyses both *in vivo* and *in vitro*, combining methods of microbial genetics, molecular genetics, and enzymology. Candidates should have strong analytical skills and a practical background in microbial genetics and/or molecular genetics.

Applicants must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

Contact: John W. Drake, Laboratory of Molecular Genetics, MD E3-01, 919-541-3361, fax: 919-541-7613, e-mail: drake@niehs.nih.gov

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